

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Brian C. Cullen Examiner #: 70625 Date: 9/26/01  
 Art Unit: 3737 Phone Number 30 308-3552 Serial Number: 08/427,020  
 Mail Box and Bldg/Room Location: 8P2-4002 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Algebraic Resonance Operator  
 Inventors (please provide full names): Robert J. Dickinson  
Christopher P. Randell

Earliest Priority Filing Date: 12-09-88

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Litigation search for Re-issue

US 5207224

BEST AVAILABLE COPY

\*\*\*\*\*

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>J. HERRIGAN</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>305-5934</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>CP2 2008</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>9/26</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>9/26</u>	Litigation <input checked="" type="checkbox"/>	Lexis/Nexis _____
Searcher Prep & Review Time: <u>15</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>3</u>	Other _____	Other (specify) _____

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Inpadoc

**Basic Patent (Number,Kind,Date):** GB 8828810 A0 19890118**Patent Family:**

Patent Number	Kind	Date	Application Number	Kind	Date
DE 68928584	C0	19980402	DE 68928584	A	19891208
DE 68928584	T2	19980618	DE 68928584	A	19891208
<u>EP 373000</u>	A2	19900613	EP 89312855	A	19891208
<u>EP 373000</u>	A3	19910508	EP 89312855	A	19891208
<u>EP 373000</u>	B1	19980225	EP 89312855	A	19891208
GB 8828810	A0	19890118	GB 8828810	A	19881209 (Basic)
GB 2226138	A1	19900620	GB 8828810	A	19881209
GB 2226138	B2	19930106	GB 8828810	A	19881209
JP 2264637	A2	19901029	JP 89316636	A	19891207
JP 3076854	B2	20000814	JP 89316636	A	19891207
<u>US 5207224</u>	A	19930504	US 855116	A	19920318

**Priority Data:**

Patent Number	Kind	Date
GB 8828810	A	19881209
US 441637	B1	19891127

**PATENT FAMILY:****Germany (DE)**

Patent (Number,Kind,Date): DE 68928584 C0 19980402

APPARAT MIT MAGNETISCHER RESONANZ (German)

Patent Assignee: PICKER INT LTD (GB)

Author (Inventor): DICKINSON ROBERT JULIAN (GB); RANDELL CHRISTOPHER

PAUL (GB)

Priority (Number,Kind,Date): GB 8828810 A 19881209

Applic (Number,Kind,Date): DE 68928584 A 19891208

IPC: \* G01R-033/28

Derwent WPI Acc No: \* G 90-180750

Language of Document: German

Patent (Number,Kind,Date): DE 68928584 T2 19980618

APPARAT MIT MAGNETISCHER RESONANZ (German)

Patent Assignee: PICKER INT LTD (GB)

Author (Inventor): DICKINSON ROBERT JULIAN (GB); RANDELL CHRISTOPHER PAUL (GB)

Priority (Number,Kind,Date): GB 8828810 A 19881209

Applic (Number,Kind,Date): DE 68928584 A 19891208

IPC: \* G01R-033/28

Derwent WPI Acc No: \* G 90-180750

Language of Document: German

### Germany (DE) - Legal Status

Number	Type	Date	Code	Text	
DE 68928584	P	19980402	DE REF	CORRESPONDS TO	(ENTSPRICHT)
				EP 373000 P 19980402	
DE 68928584	P	19980618	DE 8373	TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED	(UEBERSETZUNG DER PATENTSCHRIFT DES EUROPÄISCHEN PATENTES IST EINGEGANGEN UND VERÖFFENTLICHT WORDEN)
DE 68928584	P	19990325	DE 8328	CHANGE IN THE PERSON/NAME/ADDRESS OF THE AGENT	(ÄNDERUNG IN PERSON, NAMEN ODER WOHNORT DES VERTRETERS)
				PATENTANWÄLTE REICHEL UND REICHEL, 60322 FRANKFURT	
DE 68928584	P	19990401	DE 8364	NO OPPOSITION DURING TERM OF OPPOSITION	(EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)

### European Patent Office (EP)

Patent (Number,Kind,Date): EP 373000 A2 19900613

MAGNETIC RESONANCE APPARATUS (English; French; German)

Patent Assignee: PICKER INT LTD (GB)

Author (Inventor): DICKINSON ROBERT JULIAN; RANDELL CHRISTOPHER PAUL

Priority (Number,Kind,Date): GB 8828810 A 19881209

Applic (Number,Kind,Date): EP 89312855 A 19891208

Designated States: (National) DE; FR; GB; NL

IPC: \* G01R-033/28

Derwent WPI Acc No: ; G 90-180750

Language of Document: English

Patent (Number,Kind,Date): EP 373000 A3 19910508

MAGNETIC RESONANCE APPARATUS (English; French; German)

Patent Assignee: PICKER INT LTD (GB)

Author (Inventor): DICKINSON ROBERT JULIAN; RANDELL CHRISTOPHER PAUL

Priority (Number,Kind,Date): GB 8828810 A 19881209

Applic (Number,Kind,Date): EP 89312855 A 19891208

Designated States: (National) DE; FR; GB; NL

IPC: \* G01R-033/28

Derwent WPI Acc No: \* G 90-180750

Language of Document: English

Patent (Number,Kind,Date): EP 373000 B1 19980225

MAGNETIC RESONANCE APPARATUS (English; French; German)

Patent Assignee: PICKER INT LTD (GB)

Author (Inventor): DICKINSON ROBERT JULIAN (GB); RANDELL CHRISTOPHER PAUL (GB)

Priority (Number,Kind,Date): GB 8828810 A 19881209

Applic (Number,Kind,Date): EP 89312855 A 19891208

Designated States: (National) DE; FR; GB; NL

IPC: \* G01R-033/28

Derwent WPI Acc No: \* G 90-180750

Language of Document: English

#### European Patent Office (EP) - Legal Status

Number	Type	Date	Code	Text	
EP 373000	P	19881209	EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
				GB 8828810 A 19881209	
EP 373000	P	19891208	EP AE	EP-APPLICATION	(EUROPAEISCHE ANMELDUNG)
				EP 89312855 A 19891208	
EP 373000	P	19900613	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT	(IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
				DE FR GB NL	
EP 373000	P	19900613	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT	(VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 373000	P	19910508	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT	(IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
				DE FR GB NL	
EP 373000	P	19910508	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)	(GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 373000	P	19911227	EP 17P	REQUEST FOR EXAMINATION FILED 911024	(PRUEFUNGSANTRAG GESTELLT)
EP 373000	P	19941207	EP 17Q	FIRST EXAMINATION REPORT 941019	(ERSTER PRUEFUNGSBESCHEID)
EP 373000	P	19980225	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: DE FR GB NL	(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)
EP 373000	P	19980225	EP B1	PATENT SPECIFICATION	(PATENTSCHRIFT)
EP 373000	P	19980306	EP ET	FR: TRANSLATION FILED	(FR: TRADUCTION A ETE REMISE)
EP 373000	P	19980402	EP REF	CORRESPONDS TO:  DE 68928584 P 19980402	(ENTSPRICHT)
EP 373000	P	19990224	EP 26N	NO OPPOSITION FILED	(KEIN EINSPRUCH EINGELEGT)
EP 373000	P	19990728	EP GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE 981208	

**Great Britain (GB)**

Patent (Number,Kind,Date): GB 8828810 A0 19890118

MAGNETIC RESONANCE APPARATUS (English)

Patent Assignee: PICKER INT LTD

Priority (Number,Kind,Date): GB 8828810 A 19881209

Applic (Number,Kind,Date): GB 8828810 A 19881209

Language of Document: English

Patent (Number,Kind,Date): GB 2226138 A1 19900620

MAGNETIC RESONANCE APPARATUS (English)

Patent Assignee: PICKER INT LTD (GB)

Author (Inventor): DICKINSON ROBERT JULIAN; RANDELL CHRISTOPHER PAUL

Priority (Number,Kind,Date): GB 8828810 A 19881209

Applic (Number,Kind,Date): GB 8828810 A 19881209

National Class: \* G1N N508 -; G1N N571 -

IPC: \* G01R-033/20

Derwent WPI Acc No: \* G 90-180750

Language of Document: English

Patent (Number,Kind,Date): GB 2226138 B2 19930106  
 MAGNETIC RESONANCE APPARATUS (English)  
 Patent Assignee: PICKER INT LTD (GB)  
 Author (Inventor): DICKINSON ROBERT JULIAN; RANDELL CHRISTOPHER PAUL  
 Priority (Number,Kind,Date): GB 8828810 A 19881209  
 Applic (Number,Kind,Date): GB 8828810 A 19881209  
 National Class: \* G1N N571 -  
 IPC: \* G01R-033/28  
 Derwent WPI Acc No: \* G 90-180750  
 Language of Document: English

#### Great Britain (GB) - Legal Status

Number	Type	Date	Code	Text	
GB 2226138	P	19881209	GB AE	APPLICATION DATA	(APPL. DATA)
				GB 8828810 A 19881209	
GB 2226138	P	19900620	GB A1	APPLICATION PUBLISHED	(APPL. PUBLISHED)
GB 2226138	P	19930106	GB B2	PATENT GRANTED	
GB 2226138	P	19970730	GB PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	
				961209	

#### Japan (JP)

Patent (Number,Kind,Date): JP 2264637 A2 19901029  
 NUCLEAR MAGNETIC RESONATOR (English)  
 Patent Assignee: PICKER INTERNATL LTD  
 Author (Inventor): ROBAATO JIYURIAN DEITSUKINSUN; KURISUTOFUA POORU RANDEURU  
 Priority (Number,Kind,Date): GB 8828810 A 19881209  
 Applic (Number,Kind,Date): JP 89316636 A 19891207  
 IPC: \* A61B-005/055; G01R-033/48  
 Language of Document: Japanese  
 Patent (Number,Kind,Date): JP 3076854 B2 20000814  
 Patent Assignee: PICKER INT LTD  
 Author (Inventor): ROBAATO JURIAN DEITSUKINSUN; KURISUTOFUA HOORU RANDEURU  
 Priority (Number,Kind,Date): GB 8828810 A 19881209  
 Applic (Number,Kind,Date): JP 89316636 A 19891207  
 IPC: \* A61B-005/055; G01R-033/48  
 Language of Document: Japanese

#### United States of America (US)

Patent (Number,Kind,Date): US 5207224 A 19930504  
 MAGNETIC RESONANCE APPARATUS (English)  
 Patent Assignee: PICKER INT LTD (GB)  
 Author (Inventor): DICKINSON ROBERT J (GB); RANDELL CHRISTOPHER P (GB)  
 Priority (Number,Kind,Date): US 441637 B1 19891127; GB 8828810 A 19881209

Applic (Number,Kind,Date): US 855116 A 19920318  
National Class: \* 128653500; 324318000; 005601000  
IPC: \* A61B-005/055  
Derwent WPI Acc No: \* G 90-180750  
Language of Document: English

**United States of America (US) - Legal Status**

Number	Type	Date	Code	Text	
US 5207224	P	19881209	US AA	PRIORITY (PATENT)	
				GB 8828810 A 19881209	
US 5207224	P	19891127	US AA	PRIORITY	
				US 441637 B1 19891127	
US 5207224	P	19920318	US AE	APPLICATION DATA (PATENT)	(APPL. DATA (PATENT))
				US 855116 A 19920318	
US 5207224	P	19930504	US A	PATENT	
US 5207224	P	19950815	US RF	REISSUE APPLICATION FILED	(REISSUE APPL. FILED)
				950424	

INPADOC/Family and Legal Status

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Dialog® File Number 345 Accession Number 8518418

**QUESTEL SEARCH RESULTS FOR US PATENT 5,207,224**  
**September 26, 2001**

Database Cluster : LEGAL

Includes the Databases: legal status (LGST), claims-reexam-reissue-reassignment info (CRXX), patent status (PAST), and litigation alert (LITA)

Search statement 1: us5207224/pn

Term not in index/PN-LITA : US5207224

LGST	1
CRXX	1
PAST	1
LITA	0
<b>SS 1 : Search Results</b>	<b>3</b>

**1/3 LGST (1/1) - (C) LEGSTAT**

PN - US 5207224 [US5207224]  
AP - US 855116/92 19920318 [1992US-0855116]  
DT - US-P  
ACT - 19920318 US/AE-A  
APPLICATION DATA (PATENT)  
{US 855116/92 19920318 [1992US-0855116]}  
- 19930504 US/A  
PATENT  
- 19950815 US/RF  
REISSUE APPLICATION FILED  
950424  
UP - 1995-41

**2/3 CRXX (1/1) - (C) CLAIMS/RRX**

AN - 2356094  
PN - 5,207,224 A 19930504 [US5207224]  
PA - Picker International Ltd GB  
PT - M (Mechanical)  
ACT - 19950424 REISSUE REQUESTED  
Issue Date of O.G.: 19950815  
Reissue Request Number: 08/427070  
Examination Group responsible for Reissue process: 3305  
  
UP - 1999-00

**3/3 PAST (1/1) - (C) PAST**

AN - 199533-001257  
PN - 5207224 A [US5207224]  
DT - A (UTILITY)  
OG - 1995-08-15  
CO - REA  
ACT - REISSUE APPLICATION FILED  
SH - REISSUE APPLICATION FILED



**LEXIS/NEXIS SEARCH RESULTS FOR US PATENT 5,207,224**  
**September 26, 2001**

LEVEL 1 - 1 OF 1 PATENT

<5,207,224>

<<=2>> GET 1st DRAWING SHEET OF 4

May 4, 1993

Magnetic resonance apparatus

REISSUE: Reissue Application filed Apr. 24, 1995 (O.G. Aug. 15, 1995) Ex. Gp.:  
3305; Re. S.N. 08/427,070

CORE TERMS: patient, gap, magnetic field, magnetic core, orthogonal,  
translational, plane, magnetic, handling, platter...

5,207,224 OR 5207224

Your search request has found no [law] CASES.

Your search request has found no [law journal] ITEMS.

Your search request has found no [current (last two years) news] STORIES.